

WHAT IS CLAIMED IS:

1. A bearing fixed assembly in a direct current fan, comprising:

5 a fan blade unit;

a fan base, being disposed next to the fan blade unit; and

10 a motor unit, being arranged between the fan blade unit;

wherein

the fan blade unit, further comprises:

an integral fan blade;

15 a spindle, being disposed at a lower periphery central position of the fan blade and extending to the fan base;

20 a motor casing, being disposed at a lower inner periphery side of the fan blade; and

a magnet bar, being disposed at an inner side of the motor casing;

25 the fan base further comprises:

a spindle seat, having a lower closed containing space filled with lubrication oil;

a retaining ring, being attached to the spindle next to the spindle seat;

25 a washer, being arranged on top of the retaining ring; and

30 at least a bearing, fitting with the spindle above the washer, and constituting a closed oil chamber with the spindle, the washer, the retaining ring, and the spindle seat; and

the motor unit surrounds the spindle seat and further comprises:

an insulation stand;

a plurality of silicon steel sheets,
surrounding the insulation stand;

a circuit board, being disposed under the
insulation stand; and

a plurality of coils, being wound in the
insulation stand;

10 2. The bearing fixed assembly in a direct current fan
as defined in claim 1, wherein the bearing is an oily bearing.

15 3. The bearing fixed assembly in a direct current fan
as defined in claim 1, wherein the spindle seat has an annular
recess with an inner ring and an outer ring to form a double
layer structure and the fan blade unit is mounted within
the inner ring with a stop ring in the annular recess.

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